

FIG. 1

009T01E "F85388560

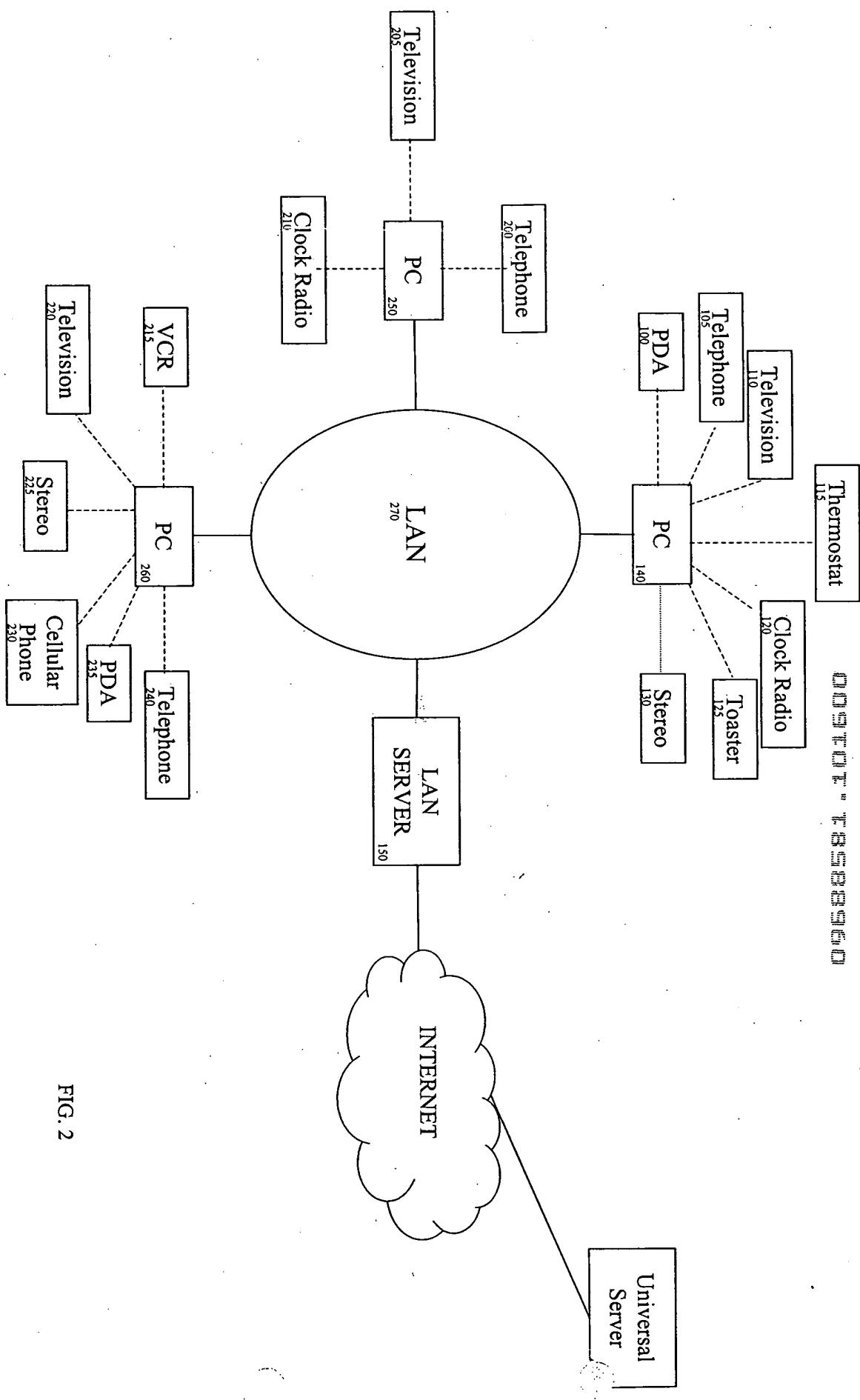


FIG. 2

## ProxiWorld Knowledge Table 300 (for a PC)

Client Name (i.e., end appliance)	Client Serial Number	Client IP Address	Processor	Operating System	Memory	Features Loaded	Features Active
305	310	315	320	325	330	335	340
PDA 100	11199OEM004163795998	10.11.95	Intel Pentium III 500 MHz	Microsoft Windows version 4.0	8KB	MP3 Player email reader	MP3 Player
Telephone 105	MAC:11-03-D3-F2-D1-16	10.11.96	Intel Pentium III 500 MHz	Vx Works version 1.5	4KB	email reader	
Television 110							
Thermostat 115							
Clock Radio 120							
Toaster 125							
Stereo 130							

## ProxiWorld Knowledge Table 400 (for the LAN Server)

405	Client Name (i.e., PC)	410	415	420	425	430	435
		Client Serial Number	Client IP Address	Processor	Operating System	Features Loaded	Features Active
PC 140	PC12345	10.1.2.90	Intel Pentium III 500 MHz		MP3 Player email reader Wave Player PCM Player	MP3 Player Wave Player	
PC 250	PC67890	10.1.2.91	Intel Pentium III 500 MHz				
PC 260	PC45678	10.1.2.92	Intel Pentium III 500 MHz				

FIG. 4

## Resource File Registry 500 (for the end appliance)

Resource Name	Resource Type	Resource Version	Resource URL	Resource Platform
MP3-Player	Feature Description	1	<a href="file:///portal/data/features/Mp3Player.feature">file:///portal/data/features/Mp3Player.feature</a>	N/A
MP3	Protocol Description	1	<a href="file:///portal/data/mp3/mp3.protocol">file:///portal/data/mp3/mp3.protocol</a>	N/A
MP3	Protocol	1	<a href="file:///portal/data/mp3/win32/mp3.dll">file:///portal/data/mp3/win32/mp3.dll</a>	Win 32
Audio Library	Driver	1	<a href="file:///portal/data/audiolibrary/vxworks/audiolib.dll">file:///portal/data/audiolibrary/vxworks/audiolib.dll</a>	Vx Works
Audio Class	Label Class	1	<a href="file:///portal/data/classaudio/wince/audioclass.dll">file:///portal/data/classaudio/wince/audioclass.dll</a>	Win CE

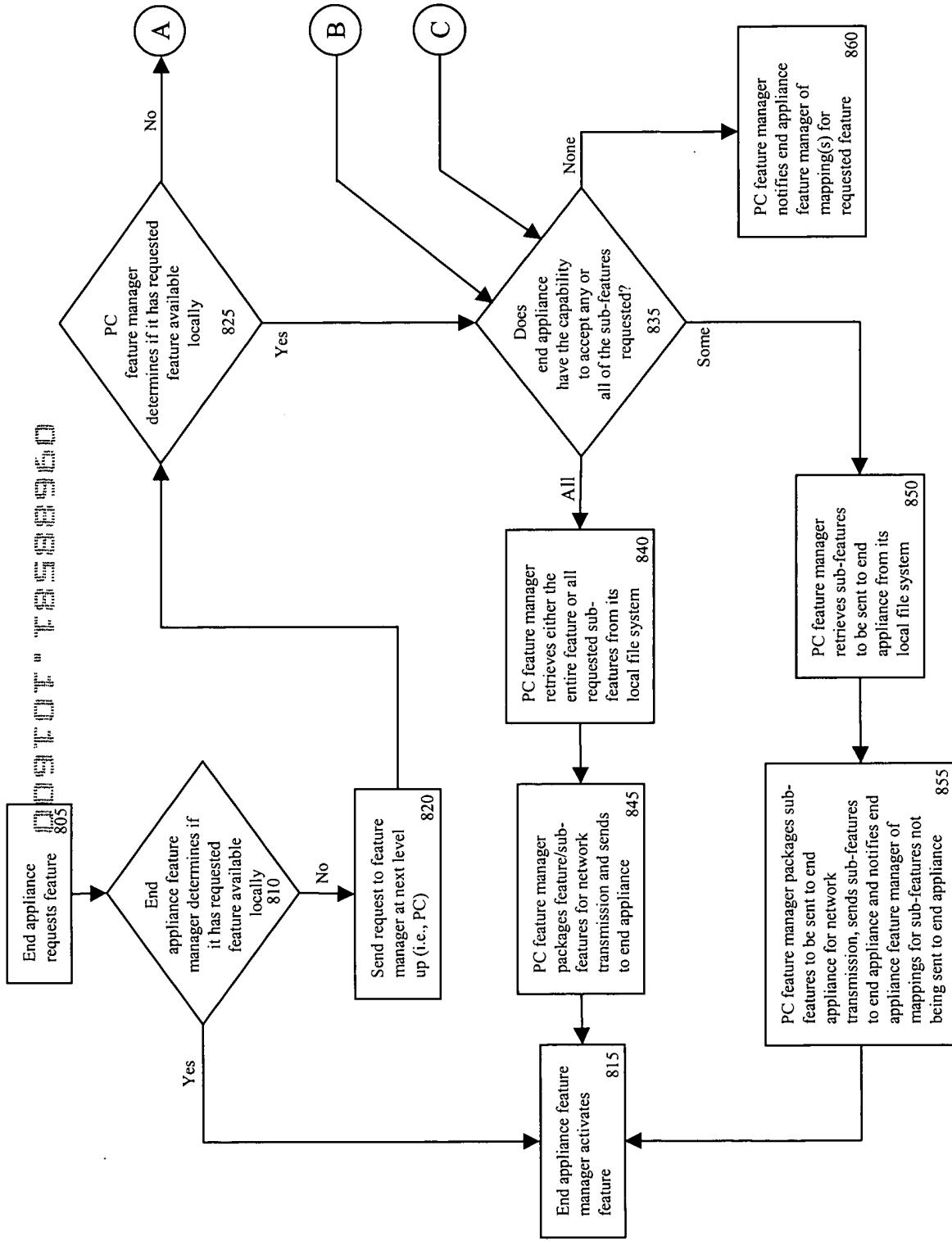
## Resource File Registry 600 (for the PC)

Resource Name	Resource Type	Resource Version	Resource URL	Resource Platform
MP3-Player	Feature Description	1	<a href="file:///portal/data/features/Mp3Player.feature">file:///portal/data/features/Mp3Player.feature</a>	N/A
MP3	Protocol Description	1	<a href="file:///portal/data/mp3/mp3.protocol">file:///portal/data/mp3/mp3.protocol</a>	N/A
MP3	Protocol	1	<a href="file:///portal/data/mp3/win32/mp3.d11">file:///portal/data/mp3/win32/mp3.d11</a>	Win 32
MP3	Protocol	1	<a href="file:///portal/data/mp3/vxworks/mp3.d11">file:///portal/data/mp3/vxworks/mp3.d11</a>	Vx Works
Audio Library	Driver	1	<a href="file:///portal/data/audiolibrary/win32/audiolib.d11">file:///portal/data/audiolibrary/win32/audiolib.d11</a>	Win 32
Audio Class	Label Class	1	<a href="file:///portal/data/classaudio/win32/audioda.d11">file:///portal/data/classaudio/win32/audioda.d11</a>	Win 32

**Feature Description Table 700**

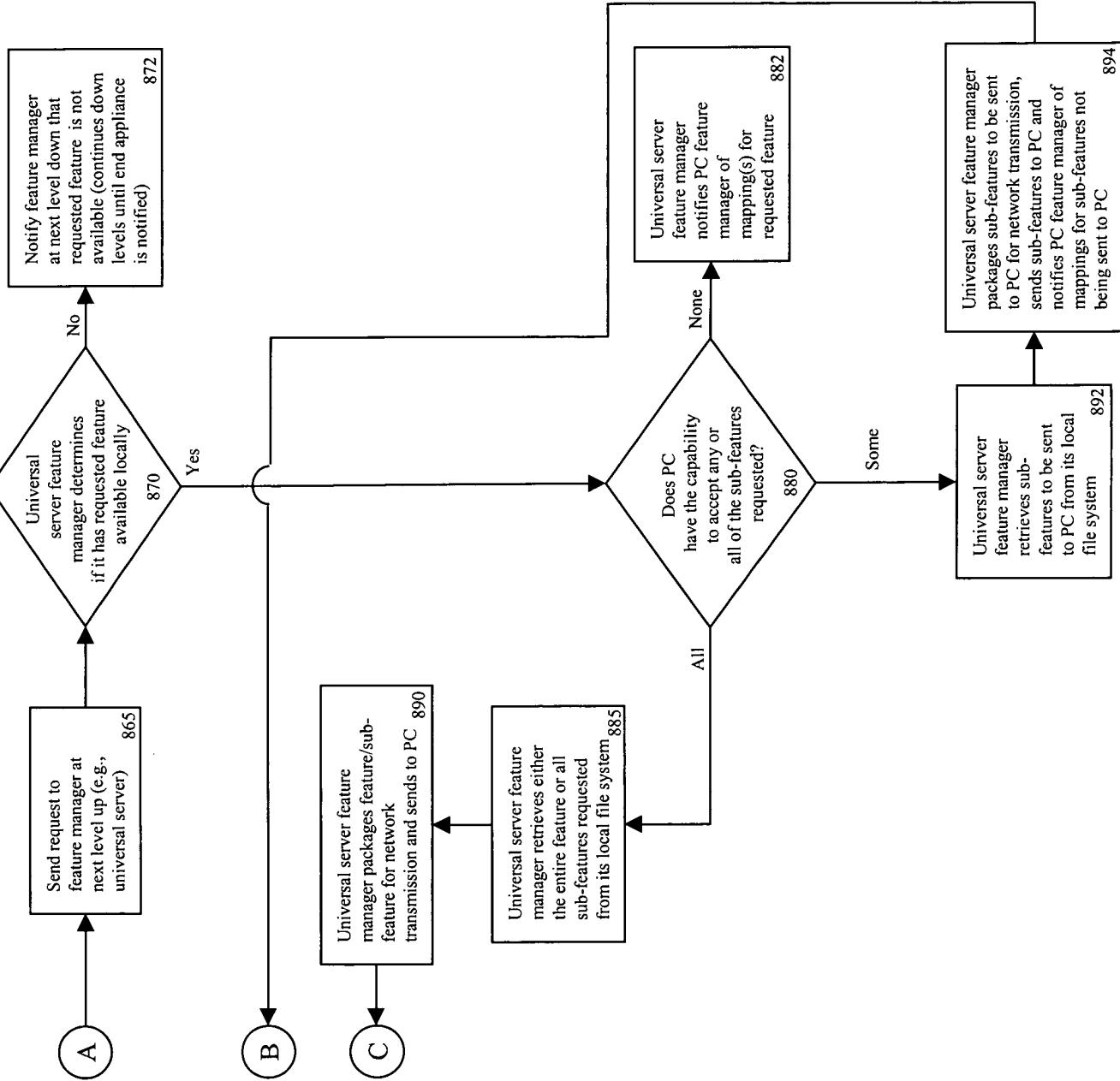
705 Feature Name	710 Feature Active	715 Sub-Features	720 Default Targets	725 Mappings	730	735	740	745 Interface Implementations	750	Certification
MP3 Player	Yes	MP3 Decoder PCM Player	MP3 targets speaker	MP3 decoder → PCM player → speaker	MP3 decoder output = PCM player input	MP3	MP3-to-speaker decoder			A
MP3 Player	Yes	MP3 Decoder PCM Player	MP3 targets speaker	MP3 decoder → PCM player → speaker	MP3 decoder output = PCM player input	MP3	MP3-to-speaker decoder			B
Wave Player	Yes	Wave Decoder PCM Player	Wave targets speaker	Wave decoder → PCM player → speaker	Wave decoder output = PCM player input	Wave	Wave-to- speaker decoder			
MP3 Decoder										
PCM Player										
Wave Decoder										

**FIG. 7**



**FIG. 8A**

**FIG. 8B**



Source Format

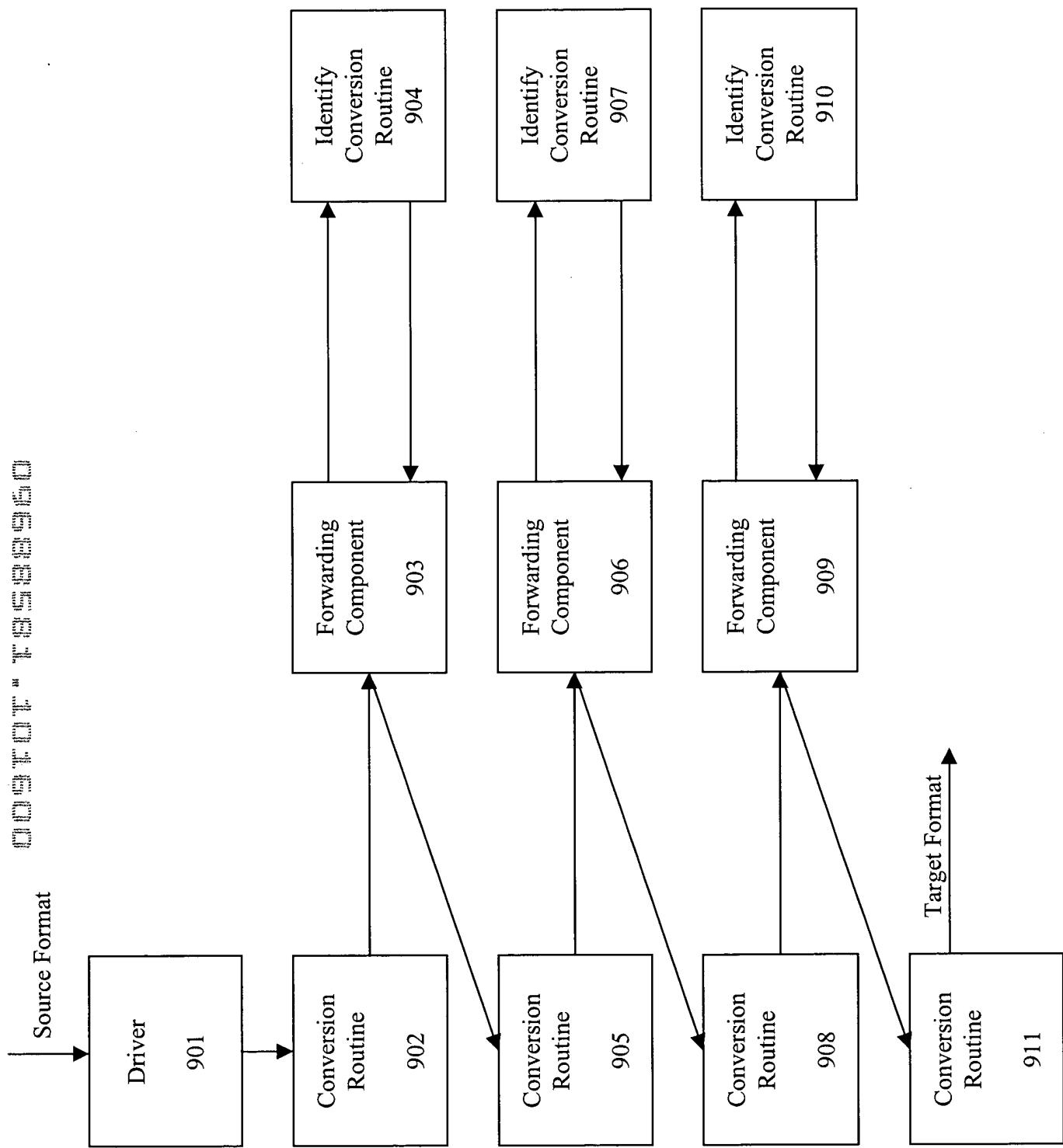


FIG. 9

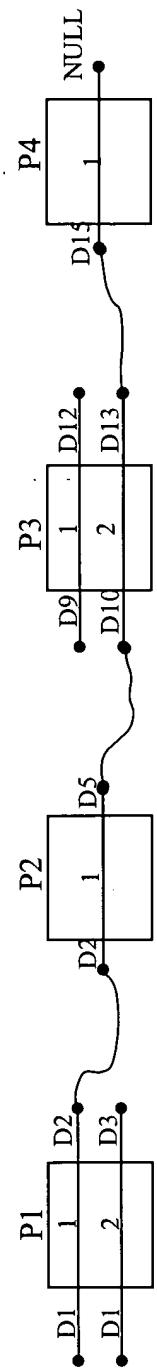


FIG. 10

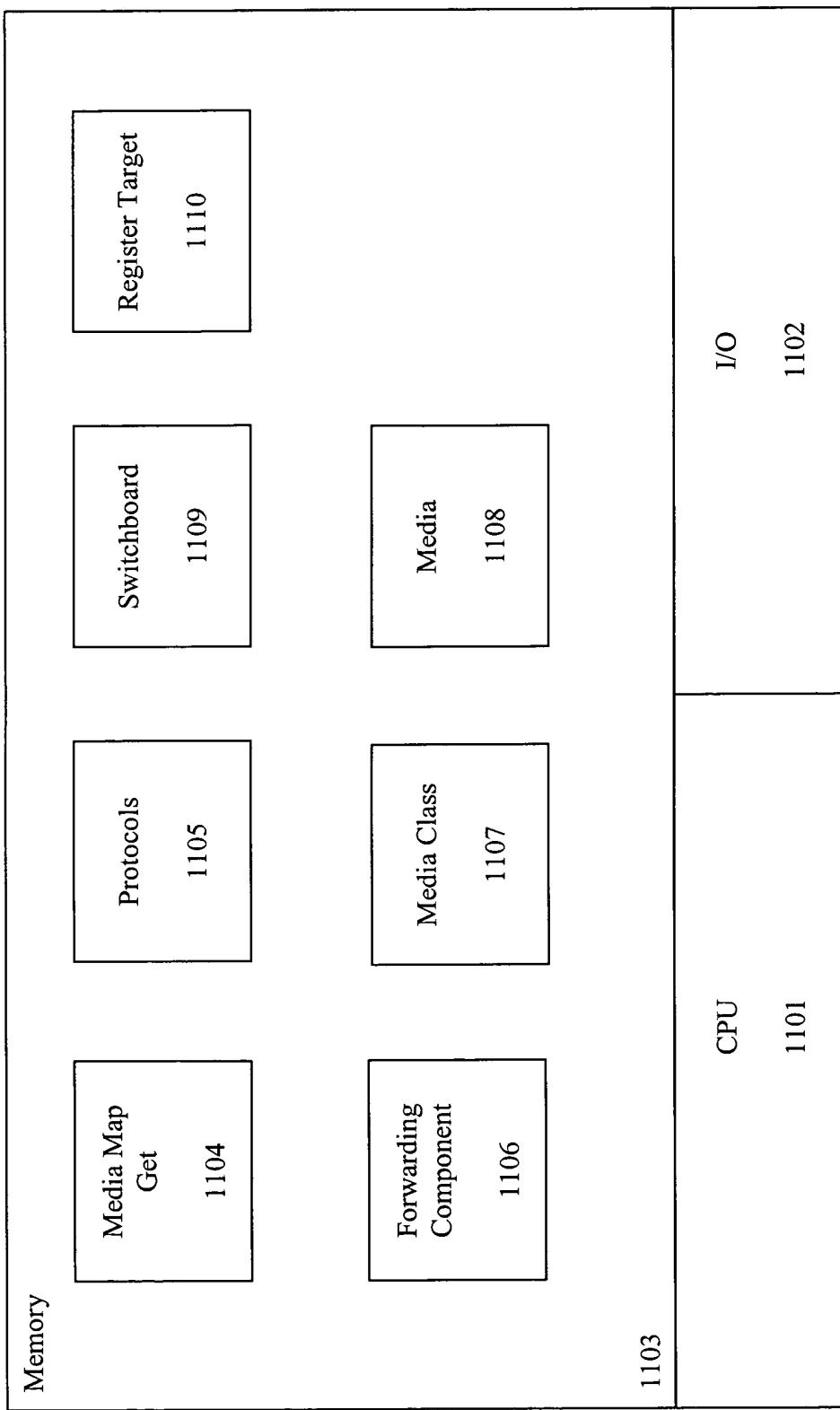


FIG. 11